

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY: TDP TM OTHER <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM CODE 80243 SPECIAL PROJECTS	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. C001	2. TITLE OF DATA ITEM LOGISTIC SUPPORT ANALYSIS RECORD (LSAR)DATA	3. SUBTITLE
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4. AUTHORITY (<i>Date Acquisition Document No.</i>) DI-ILSS-80114	5. CONTRACT REFERENCE SOW PARA. 3.2	6. REQUIRING OFFICE NSWC CRANE CODE 80243
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY OTIME	12. DATE OF FIRST SUBMISSION 90DAC	14. DISTRIBUTION			
8. APP CODE A	SEE BLOCK 16	11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION 30DARC	a. ADDRESSEE	b. COPIES		
					Draft	Final	
						Reg	Repro

16. REMARKS:	SEE BLK 16			1
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BLOCK 14 –

COMMANDER
CODE 80243 , BLDG 3330N
NAVSURFWARCENDIV CRANE
300 HIGHWAY 361
CRANE, IN 47522-5001
ATTN: Jim Bays

[illegible]

G. PREPARED BY		H. DATE	I. APPROVED BY	J. DATE
[Signature]		10/23/03	[Signature]	10/23/03

DD Form 1423-1, 1 Jun 90

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT A	C. CATEGORY: TDP TM OTHER X	
D. SYSTEM/ITEM CODE 80243 SPECIAL PROJECTS		E. CONTRACT/PR NO.		F. CONTRACTOR
1. DATA ITEM NO. C002	2. TITLE OF DATA ITEM TEST/INSPECTION REPORT		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B		5. CONTRACT REFERENCE SOW PARA. 3.7.1		6. REQUIRING OFFICE NSWC CRANE CODE 80243
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION ASREQ	14. DISTRIBUTION
8. APP CODE	SEE BLOCK 16	11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE
				b. COPIES
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				Final
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				Repro

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BLOCK 10/12 – The contractor shall submit test reports as required when testing is being performed.

BLOCK 14 –

COMMANDER
CODE 80243 , BLDG 3330N
NAVSURFWARCENDIV CRANE
300 HIGHWAY 361
CRANE, IN 47522-5001
ATTN: Jim Bays

G. PREPARED BY <i>Jim Bays</i>	H. DATE 10/23/03	I. APPROVED BY <i>Barry E. Vail (Signature)</i>	J. DATE 10/23/03
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17. PRICE GROUP

18. ESTIMATED TOTAL
PRICE

DATA ITEM DESCRIPTION		Form Approved OMB No. 0704-0188 Exp. Date: Jun 30, 1986	
1 TITLE Logistic Support Analysis Record (LSAR) Data		2 IDENTIFICATION NUMBER DI-ILSS-80114	
3 DESCRIPTION/PURPOSE <p>3.1 This Data Item Description (DID) identifies deliverable LSAR data and describes the hardcopy media for their delivery. These data identify logistic support resource requirements in a correlated and integrated fashion and provide a basis for support system development activities and subsequent procurement actions and decisions.</p> <p>3.2 LSAR data are used as source data in the preparation of equipment (continued on Page 2)</p>			
4 APPROVAL DATE (YYMMDD) 860221	5 OFFICE OF PRIMARY RESPONSIBILITY (OPR) TM	6a DTIC REQUIRED	6b GIDEP REQUIRED
7 APPLICATION/INTERRELATIONSHIP <p>7.1 This DID contains the format and content preparation instructions for LSAR data required by 205.2, 301.2 and 401.2 of MIL-STD-1388-1A, and appendices A and F of MIL-STD-1388-2A.</p> <p>7.2 This DID is applicable to the acquisition of military systems and equipment.</p> <p>7.3 DI-ILSS-80115, DI-ILSS-80116 and DI-ILSS-80117 are related to, and may be used in lieu of this DID to obtain the three automated LSAR Master files.</p> <p style="text-align: right;">(continued on Page 2)</p>			
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER A3780
10. PREPARATION INSTRUCTIONS <p>10.1 <u>Source Document</u>. The applicable issue of the documents cited herein, including their approval date and dates of any applicable amendments and revisions, shall be as reflected in the contract.</p> <p>10.2 <u>Data Record Preparation</u>. LSAR data element definitions, data field lengths, and formats for recording and reporting LSAR data shall be in accordance with appendix A of MIL-STD-1388-2A. Data requirements shall be as specified on DD Form 1949-1, LSAR Data Selection Sheet, contained in the Statement of Work. Supplemental forms, worksheets, block diagrams, and other data that are specified in the logistic support analysis plan or other plan as forming part of the LSAR data shall be deliverable to the extent specified in the Contract Data Requirements List (CDRL), DD Form 1423.</p> <p>10.3 <u>Data Delivery Media</u>. LSAR data shall be deliverable by one or a combination of the following media, as specified by the requiring authority on DD Form 1423.</p> <p style="margin-left: 40px;">a. Hardcopy (original, reproduced copies or computer generated copies).</p> <p style="margin-left: 40px;">b. Microcopy (microfiche/microfilm).</p> <p>10.4 <u>Data Records</u>. The following LSAR data records, as described in MIL-STD-1388-2A, are deliverable data under this DID as specified by the requiring authority on DD Form 1423.</p> <p style="margin-left: 40px;">a. Data Record A, Operations and Maintenance Requirements (paragraph 20, appendix A of MIL-STD-1388-2A).</p> <p style="margin-left: 40px;">b. Data Record B, Item Reliability and Maintainability (R&M) Characteristics (paragraph 30, appendix A of MIL-STD-1388-2A).</p> <p style="margin-left: 40px;">c. Data Record B1, Failure Mode and Effects Analysis (paragraph 40, appendix A of</p> <p style="text-align: right;">(continued on Page 2)</p>			

3. DESCRIPTION/PURPOSE (continued)

publications; maintenance procedures; manpower and personnel requirements; training requirements; tool, support, test, measurement and diagnostic equipment requirements; and other Integrated Logistic Support element documentation.

7. APPLICATION/INTERRELATIONSHIP (continued)

7.4 This DID supersedes DI-L-7145A.

10. PREPARATION INSTRUCTIONS (continued)

MIL-STD-1388-2A).

d. Data Record B2, Criticality and Maintainability Analysis (paragraph 50, appendix A of MIL-STD-1388-2A).

e. Data Record C, Operations and Maintenance Task Summary (paragraph 60, appendix A of MIL-STD-1388-2A)..

f. Data Record D, Operations and Maintenance Task Analysis (paragraph 70, appendix A of MIL-STD-1388-2A).

g. Data Record D1, Personnel and Support Requirements (paragraph 80, appendix A of MIL-STD-1388-2A).

h. Data Record E, Support Equipment and Training Material Description and Justification (paragraph 90, appendix A of MIL-STD-1388-2A).

i. Data Record E1, Support Equipment and Training Material Description and Justification continued (paragraph 95, appendix A of MIL-STD-1388-2A).

j. Data Record E2, Unit Under Test and Automatic Test Program (paragraph 100, appendix A of MIL-STD-1388-2A).

k. Data Record F, Facility Description and Justification (paragraph 110, appendix A of MIL-STD-1388-2A).

l. Data Record G, Skill Evaluation and Justification (paragraph 120, appendix A of MIL-STD-1388-2A).

m. Data Record H, Support Items Identification (paragraph 130, appendix A of MIL-STD-1388-2A).

n. Data Record H1, Support Items Identification (Application Related) (paragraph 140, appendix A of MIL-STD-1388-2A).

o. Data Record J, Transportability Engineering Characteristics (paragraph 150, appendix A of MIL-STD-1388-2A).

DATA ITEM DESCRIPTION

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1. TITLE TEST/INSPECTION REPORT	2. IDENTIFICATION NUMBER DI-NDTI-80809B
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3. DESCRIPTION/PURPOSE 3.1 The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.
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4. APPROVAL DATE (YYMMDD) 970124	5. OFFICE OF PRIMARY RESPONSIBILITY (OPPR) F/AFMC-DOP	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
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7. APPLICATION/INTERRELATIONSHIP 7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. 7.2 This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing. 7.3 This DID supersedes DI-NDTI-80809A and DI-MISC-80653.
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8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER F7231
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10. PREPARATION INSTRUCTIONS 10.1 <u>Format</u> . Contractor format is acceptable. Organize the information required by paragraph 10.2 and its subparagraphs in a manner that facilitates presentation and understanding 10.2 <u>Content</u> . The test/inspection report shall contain the following information, as applicable. 10.2.1 <u>Cover and title page</u> . The following information shall appear on the outside front cover and title page: a. Report date. b. Report number (contractor or government) c. Contractor's name, address, and commercial and government entity code. d. Contract number and contract line item number or sequence number (if applicable). e. Type of test/inspection (for example, first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test). f. Identification of item tested/inspected. g. Date or period of test/inspection. h. Name and address of requiring government activity. i. Security classification, downgrading and declassifying information, if applicable. (Continued on page 2)

11. DISTRIBUTION STATEMENT DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

Block 10, Preparation Instructions (continued)

10.2.2 Table of contents. The table of contents shall identify the following:

- a. The title and starting page of each major section, paragraph, and appendix of the report.
- b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

10.2.3 Introduction. The introduction shall include the following information:

10.2.3.1 Test/inspection objective(s). The specific test/inspection objective(s) as specified in the contract tasking document.

10.2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

- a. Nomenclature.
- b. National stock number.
- c. Model number, part number, and serial number
- d. Type of item (for example, prototype, production item, laboratory model).
- e. Serial or lot number.
- f. Applicable engineering changes.
- g. Production item specification, if applicable.
- h. Date of manufacture.

10.2.3.3 Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters.
- b. Performance requirements, acceptance or compliance limits, and environmental criteria.

10.2.4 Summary. Complete test/inspection report summary including the following:

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report.
- b. Proposed corrective actions and schedules for failures or problems encountered.
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

10.2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

- a. Prior test/inspection reports on the same item.
- b. Test/inspection plans and procedure documents.
- c. Prior certifications of compliance.
- d. Contractor's file designation where test/inspection records are maintained.
- e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2.6 Body of report. The body of the test/inspection report shall be as follows:

10.2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

- a. Nomenclature.
- b. Model number.
- c. Serial number.
- d. Manufacturer.
- e. Calibration status.
- f. Accuracy data.
- g. Comments, if applicable.

10.2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

- a. Location or orientation of the item.
- b. Location, orientation, or settings of test equipment and instrumentation.
- c. Location, orientation, or settings of sensors and probes.
- d. Location or orientation of interconnections, cables, and hoop-ups.
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements.

Drawings, illustrations, and photographs may be used for clarification.

10.2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

- a. Item selection and inspection that verified suitability for test/inspection.
- b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

10.2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:

10.2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.

10.2.6.4.2 Test/inspection results. Identification of all test/inspection results to include the following:

- a. Matrices comparing results achieved against test/inspection objectives or requirements.
- b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspections.
- c. Calculation examples.
- d. Discussion of anomalies, deviations, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

10.2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

- a. The effectiveness of the test/inspection procedures in measuring item performance.

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- b. The success or failure of the item to meet required test/inspection objectives.
- c. The need for repeat, additional, or alternative tests/inspections.
- d. The need for item redesign or further development.
- e. The need for improved test/inspection procedures, techniques, or facilities.
- f. The adequacy and completeness of the test/inspection requirements.

10.2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

- a. Acceptability of the item tested/inspected (pass or fail).
- b. Additional testing/inspection required.
- c. Redesign required.
- d. Problem resolution.
- e. Test/inspection procedure or facility improvements.
- f. Disposition of items tested/inspected.
- g. Documentation changes required.
- h. Testing/inspection improvements.

10.2.7 Authentication. The following certifications shall be included, as applicable:

10.2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

10.2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

10.2.7.3 Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

10.2.8 Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.